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PTO/SB/21 (04-04)

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/812,248
		Filing Date	March 29, 2004
		First Named Inventor	Alex J. Harvey
		Art Unit	1645
		Examiner Name	To be assigned
Total Number of Pages in This Submission	7	Attorney Docket Number	AVI-027

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Kyle Yesland		
Signature			
Date	December 20, 2004		

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/812,248
Applicant : Harvey, et al
Filed : March 29, 2004
Title : Transgenesis of Early Embryonic Cells

TC/A.U. : 1645
Examiner : Not yet assigned

Docket No. : AVI-027

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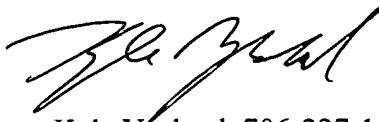
In connection with the above-identified application, applicant submits herewith a form PTO/SB/08A and copies of references cited therein, excluding issued US Patents.

It is respectfully requested that the cited references be expressly considered during the prosecution of the above referenced application, and the references be made of record and appear among the "references cited" on any patent to issue therefrom.

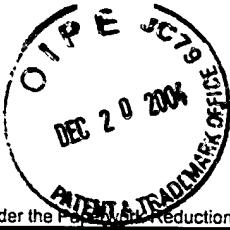
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Respectfully submitted,



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PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	4	Attorney Docket Number	AVI-027
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US20020108132	08-08-2002	Rapp	
		5,897,998	04-27-1999	Speksnijder, et al.	
		4,997,763	03-05-1991	Hughes, et al.	
		5,011,780	04-30-1991	Perry	
		5,162,215	11-10-1992	Bosselman, et al.	
		5,340,740	08-23-1994	Petitte, et al.	
		5,656,479	08-12-1997	Petitte, et al.	
		6,027,722	02-22-2000	Hodgson	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 99/19472	04-22-1999	Ivarie, et al.		
		WO 00/11151	03-02-2000	Ivarie, et al.		
		WO 00/56932	09-28-2000	Harvey, et al.		
		WO 90/11355	10-04-1990	Simkiss		
		WO 97/47739	12-18-1997	McArthur		
		WO 99/10505	03-04-1999	Etches, et al.		

NON PATENT LITERATURE DOCUMENTS

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		<i>BOSSELMAN</i> , et al., Germline Transmission of Exogenous Genes in the Chicken. 1989, <i>Science</i> , 243: 533-535	
		<i>BRAZOLOT</i> , et al., Efficient transfection of chicken cells by lipofection, and introduction of transfected blastodermal cells into the embryo. 1991, <i>Mol. Reprod. Dev.</i> 30:304-312.	
		<i>CARSIENCE</i> , et al., Germline chimeric chickens from dispersed donor blastodermal cells and compromised recipient embryos. 1993, <i>Development</i> , 117:669-675.	
		<i>CHAMBERS</i> , et al., Functional Expression Cloning of Nanog, a Pluripotency Sustaining Factor in Embryonic Stem Cells. 2003, <i>Cell</i> , 113:643-655	

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Substitute for form 1449B/PTO				Complete if Known
		<i>Application Number</i>	10/812,248	
		<i>Filing Date</i>	March 29, 2004	
		<i>First Named Inventor</i>	Alex J. Harvey	
		<i>Art Unit</i>	1645	
		<i>Examiner Name</i>	Not yet assigned	
Sheet	2	4	<i>Attorney Docket Number</i>	AVI-027

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
		D'COSTA, et al., Characterization of stage-specific embryonic antigen-1(SSEA-1) expression during early development of the turkey embryo. 1999, <i>Int. J. Dev. Biol.</i> 43:349-356		
		DONOHO, et al., Analysis of Gene Targeting and Intrachromosomal Homologous Recombination Stimulated by Genomic Double-Strand Breaks in Mouse Embryonic Stem Cells. 1998, <i>Mol. Cell. Biology</i> , 118:(7) 4070-4078		
		ETCHES, et al., Contributions to Somatic and Germline Lineages of Chicken Blastodermal Cells Maintained in Culture. 1996, <i>Molec. Repr. Devel.</i> , 45:291-298		
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		HAN, Production of germline chimeras by transfer of chicken gonadal primordial germ cells maintained in vitro for an extended period. 2002, <i>Theriogenology</i> 58: 1531-1539		
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		KAGAMI, et al., Sexual Differentiation of Chimeric Chickens Containing ZZ and ZW Cells in the Germline. 1995, <i>Mol. Reprod. Dev.</i> , 42:379-387.		
		KAGAMI, et al., The Developmental Origin of Primordial Germ Cells and the Transmission of the Donor-Derived Gametes in Mixed-Sex Germline Chimeras to the Offspring in the Chicken. 1997, <i>Mol. Reprod. Dev.</i> , 48:501-510		
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		KINO, et al., Production of chicken chimeras from injection of frozen-thawed blastodermal cells. 1995, <i>Poultry Sci.</i> 74 (Suppl. 1):26. (Abstr.)		
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		KIMURA, et al., Further Purification of a Fibroblast Growth Factor-Like Factor From Chick Embryo Extract By Heparin-Affinity Chromatography. 1988, <i>In Vitro Cellular & Dvlp.</i> , 25: (3)236-242		

Examiner Signature	Date Considered
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Sheet	3	of	4	Attorney Docket Number	AVI-027

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		LINNELL, et al., Transgenic mice for the preparation of puromycin-resistant primary embryonic fibroblast feeder layers for embryonic stem cell selection. 2001, <i>Mammalian Genome</i> 12:169-171	
		MEI, et al., The <i>tkNeo</i> Gene, but Not the <i>pgkPuro</i> Gene, Can Influence the Ability of the β -Globin LCR to Enhance and Confer Position-Independent Expression onto the β -Globin Gene. 2000, <i>Experimental Cell Research</i> 260:304-312	
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		MEAKING, et al., Electroporation-induced damage in mammalian cell DNA. 1995, <i>Biochimica et Biophysica Acta</i> , 1264: 357-362	
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		MITSUI, et al., The Homeoprotein Nanog is Required for Maintenance of Pluripotency in Mouse Epiblast and ES Cells. 2003, <i>Cell</i> , 113:631-642	
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		PAIN, et al., Long term in vitro culture and characterisation of avian embryonic stem cells with multiple morphogenetic potentialities. 1996, <i>Development</i> , 122:2339-2348	
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		PETITTE, et al., The Origin of the Avian Germ Line and Transgenesis in Birds. 1997, <i>Poultry Science</i> 76:1084-1092	
		ROUET, et al., Expression of a site-specific endonuclease stimulates homologous recombination in mammalian cells. 1994, <i>Proc. Natl. Acad. Sci. USA</i> , 91:6064-6068	

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		<i>SALTER</i> , et al., Transgenic Chickens: Insertion of Retroviral Genes into the Chicken Germ Line; 1987, <i>Virology</i> 157, 236-240		
		<i>SARGENT</i> , et al., Repair of Site-Specific Double-Strand Breaks in a Mammalian Chromosome by Homologous and Illegitimate Recombination. 1997, <i>Mol. And Cell. Biolg.</i> , 17: (1) 267-277		
		<i>SATO</i> , et al., Regulated Gene Expression in the Chicken Embryo by Using Replication-Competent Retroviral Vectors. 2002, <i>J. of Virology</i> , 76:(4) 1980-1985		
		<i>SPEKSNIJDER</i> , Germline Chimeric Chickens From FACS-Sorted Donor Cells; 1999, <i>Mol. Reprod. And Dvlp.</i> , 52:33-42		
		<i>THORAVAL</i> , et al., Somatic and Germline Chicken Chimeras Obtained from Brown and White Leghorns by Transfer of Early Blastodermal Cells; 1994, <i>Poultry Sci.</i> , 73:1897-1905.		
		<i>TUCKER</i> , et al., A transgenic mouse strain expressing four drug-selectable marker genes. 1997, <i>Nucleic Acids Research</i> , 25:(18) 3745-3746		
		<i>URVEN</i> , et al., Analyses of germline development in the chick embryo using an antimouse EC cell antibody; 1988, <i>Development</i> , 103:299-304.		
		<i>VATTERONI</i> , et al., Analysis of electroporation-induced genetic damages in V79/AP4 Chinese hamster cells. 1993, <i>Mutation Research</i> , 291:163-169		
		<i>WEI</i> , et al., Long-Term Culture of Chicken Blastodermal Cells (CBCs) and Selection of Transfected CBCs Using Antibiotic Resistance. <i>Methods in Mol. Biology</i> , 136: 399-403		
		<i>WEI</i> , et al., Selection of Genetically Modified Chicken Blastodermal Cells by Magnetic-Activated Cell Sorting. 2001, <i>Poultry Science</i> , 80: 1671-1678		
		<i>WATANABE</i> , et al., Distribution analysis of transferred donor cells in avian blastodermal chimeras; 1992, <i>Development</i> , 114:331-338.		
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		<i>YANG</i> , et al., Use of Avian Cytokines in Mammalian Embryonic Stem Cell Culture. 1994, <i>Poultry Science</i> , 73:965-974		
		<i>YEOM</i> , et al., Germline regulatory element of Oct-4 specific for the totipotent cycle of embryonal cells. <i>Development</i> , 122: 881-894		
		<i>YAFFE</i> , et al., Retention of Differentiation Potentialities During Prolonged Cultivation of Myogenic Cells. 1968, <i>Dpt. Of Cell Biology</i> , 477-483		
		<i>ZAJCHOWSKI</i> , et al., Incorporation of Genetically Modified Cells in Chicken Chimeras. <i>Methods in Mol. Biology</i> , 136: 391-397		

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